Message

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Sent: 11/5/2019 6:19:52 PM

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Subject: RE: Area 40 Status Update - Week of 10/28-11/01

Please note, the 5th bullet under Over-excavation has been changed to correctly state that one area has been over-excavated to 12'.

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From: Fennessy, Christopher

Sent: Monday, November 4, 2019 1:12 PM

To: 'MacNicholl, Peter@DTSC (Peter.MacNicholl@dtsc.ca.gov) (Peter.MacNicholl@dtsc.ca.gov)'

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Subject: Area 40 Status Update - Week of 10/28-11/01

Hi Everyone -Below is an update of our RDIP#1 implementation progress at Area 40:

Activities for the week of 10/28-11/01 included:

- Completed excavation of all initially identified excavation areas
- Surveyed all initially identified excavation areas to document area excavated. Total amount of initial excavation material = 37,857.83 tons
- Collected soil samples for many of the excavation areas and submitted them to the laboratory for analysis of perchlorate. Some samples were also submitted for analysis of dioxins. Anticipate receipt of results during week of 11/11.

- Received fixed laboratory results for select samples collected from floors and sidewalls of Northern Area excavations (A40-OS3-S-RA1, 36B-S-RA1, and 37B-S-RA2) and Southern Area excavation 40B-S-RA1.
- Continued to collect samples and analyze with field ISP. No samples have contained perchlorate in excess of the residential human health screening level of 55mg/Kg.
- Began backfilling A40-OS3-S-RA1, 36B-S-RA1, and 37B-S-RA2.
- Begin backfilling Southern Area excavations where sidewall and floor samples are below screening levels.
- Over-excavation
 - Based upon the total amount of initial excavation material (37,857.83 tons), over-excavation of about
 3,800 tons can occur based upon sidewall and floor analytical results
 - Excavation will not occur beyond 12 feet in depth or the depth of bedrock (if shallower than 12 feet bgs).
 - The attached figures show initial sample locations and field ISP perchlorate results. Locations in green are below the screening level and locations in pink are above the screening level.
 - Based upon attached figures and the field ISP data plotted on the figures, the areas shown in blue required over-excavation (note, need 3-D glasses for this. Most of the excavations are based upon the 6 foot sample interval which is shown on Figure "2b". Start with this figure and it will make more sense.)
 - Over-excavation was to a depth of 10 feet bgs (except in one area, where over-excavation was to a
 depth of 12 feet see figure "2c"). Over-excavation occurred to a lateral distance of 50 feet along the
 edge of the excavation at each location that exceeded the screening level (pink). At each of these 100
 foot long excavations, the initial excavation was expanded by 5 feet.
 - To date, the over-excavation amount is 2,236.32 tons. This leaves approximately 1,550 tons remaining to be excavated based upon future sidewall sample results.

Activities for the week of November 4 include:

- Continue backfilling Northern Area excavations. Compaction testing is scheduled for Tuesday. Following
 confirmation that the floor of the 36B-S-RA1 and 37B-S-RA2 excavations are above 90% compaction, the
 geotextile, sand, geotextile and PVC liners will be installed. This is anticipated to occur on
 Wednesday. Anticipate completion of backfill of the Northern Area excavations by Friday, 11/8.
- Additional over-excavation of Southern Area excavations may occur based upon sidewall field sample results.

Look ahead:

 Week of November 11 – Complete profiling of Southern Area excavations and finalize over-excavation areas. Continue backfilling of Southern Area excavations.

Thanks, Chris